BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

RA 1ST AND FINAL BILL

Name of work: Emergency Works in Ward No. 09 (Vidyaranyapura), Vidyaranyapura Sub Division.

Estimated Cost : Rs. 20.00 Lakhs

Job Code: 009-18-000033

Head of Account : P-1771 POW Works

Name of Agency: Sri D.V Kumar, # 657, 5th Main Road, L.G Ramanna Layout, Laggere, Bangalore - 560056.

Work order No: EE/BTP/BBMP/E-PMT/09(36935)/WO/46/2022-23 D: 16-06-2022.

	Measurements Recarded on :	18/06/22								
Sl No	**Description of work**	**Mesurement**						**Qty**	**Rate**	**Amount**
		No.	**L**	**B1**	**B2**	**Av.,B**	**D**			
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.									
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 to 2							**201.23**	**314.00**	**63187.00**
2	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.									
	Qty as per Premeasurement Recorded vide E-Bill Page No. 03 is =							**19.80**	**6000.00**	**118800.00**
3	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.									
	Culvert									
	9th Cross Road HMT Layout 3rd Block	2	11.00			0.45	0.70	6.93		
			Total Qty =					**6.93**		
			Qty Limited to =					**6.48**	**6100.00**	**39528.00**

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
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B.B.M.P, Bangalore - 97

Sl No	Description of work	Mesurement						Qty	Rate	Amount
		No.	L	B1	B2	Av.,B	D			
	Measurements Recarded on :	20/06/22								
4	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.									
	Culvert									
	9th Cross Road HMT Layout 3rd Block	2	11.00				0.60	13.20		
			Total Qty =					**13.20**		
			Qty Limited to =					**10.80**	**149.00**	**1610.00**

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Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate	Amount
	Measurements Recarded on :	21/06/22								
5	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications									
	Flagging Course									
	8th Cross Road HMT layout 3rd Block									
	BSNL Office to Govt School N/S	2	15.00				0.60	18.00		
		2	15.00				0.60	18.00		
		2	15.00				0.60	18.00		
		2	15.00				0.60	18.00		
		2	4.10				0.60	4.92		
	BSNL Office to Govt School S/S									
		2	15.00				0.60	18.00		
		2	15.00				0.60	18.00		
		2	3.70				0.60	4.44		
		2	6.60				0.60	7.92		
		2	3.80				0.60	4.56		
		2	6.00				0.60	7.20		
		2	10.00				0.60	12.00		
		2	6.50				0.60	7.80		
		2	6.50				0.60	7.80		
	10th Cross									
		2	15.00				0.60	18.00		
		2	8.50				0.60	10.20		
		2	5.00				0.60	6.00		
	9th Cross HMT Layout 3rd Block									
	Govt School Side	2	15.00				0.60	18.00		
		2	15.00				0.60	18.00		
		2	15.00				0.60	18.00		
		2	16.50				0.60	19.80		
		2	15.00				0.60	18.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	7.10				0.40	5.68		
		2	9.50				0.40	7.60		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	10.00				0.40	8.00		

383.92

Sl No	Description of work	Mesurement						Qty	Rate	Amount
		No.	L	B1	B2	Av.,B	D			
	Opp Side									
		2	9.00				0.40	7.20		
		2	6.60				0.40	5.28		
			Total Qty =					396.40		
			Qty Limited to =					396.00	1000.00	396000.00

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Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate	Amount
	Measurements Recarded on :	25/07/2022								
6	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.									
	Flagging Course Coping Concrete									
	8th Cross Road HMT layout 3rd Block									
	BSNL Office to Govt School N/S	2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	4.10			0.20	0.10	0.16		
	BSNL Office to Govt School S/S									
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	3.70			0.20	0.10	0.15		
		2	6.60			0.20	0.10	0.26		
		2	3.80			0.20	0.10	0.15		
		2	6.00			0.20	0.10	0.24		
		2	10.00			0.20	0.10	0.40		
		2	6.50			0.20	0.10	0.26		
		2	6.50			0.20	0.10	0.26		
	10th Cross									
		2	15.00			0.20	0.10	0.60		
		2	8.50			0.20	0.10	0.34		
		2	5.00			0.20	0.10	0.20		
	9th Cross HMT Layout 3rd Block									
	Govt School Side	2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	16.50			0.20	0.10	0.66		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	7.10			0.20	0.10	0.28		
		2	9.50			0.30	0.10	0.57		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	10.00			0.20	0.10	0.40		
	Opp Side									
		2	9.00			0.30	0.10	0.54		
		2	6.60			0.30	0.10	0.40		
	Culvert									
	Cpoing	1	9.60			1.50	0.10	1.44		

16.92

Sl No	Description of work	Mesurement						Qty	Rate	Amount
		No.	L	B1	B2	Av.,B	D			
	Ramp									
		2	9.60			1.50	0.15	4.32		
			Total Qty =					**21.24**		
			Qty Limited to =					**19.73**	**5900.00**	**116407.00**

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Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate	Amount
	Measurements Recarded on :	28/07/22								
7	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing , main and secondary beams with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)									
	Drain									
	Bottom Raft									
	8th Cross Road HMT layout 3rd Block from Govt School N/S	1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	5.10			0.90	0.15	0.69		
	From 9th Cross to 10th Cross	1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	3.10			0.90	0.15	0.42		
	Culvert 10th Cross Side Wall	1	9.60			1.20	0.15	1.73		
	8th Cross Road HMT layout 3rd Block from Govt School N/S	2	15.00			0.15	0.50	2.25		
		2	15.00			0.15	0.50	2.25		
		2	15.00			0.15	0.50	2.25		
		2	15.00			0.15	0.50	2.25		
		2	5.10			0.15	0.50	0.77		
	From 9th Cross to 10th Cross	2	15.00			0.15	0.55	2.48		
		2	15.00			0.15	0.55	2.48		
		2	15.00			0.15	0.55	2.48		
		2	3.10			0.15	0.60	0.56		
	Culvert 10th Cross	2	9.60			0.30	0.60	3.46		
			Total Qty =					**38.21**		
			Qty Limited to =					**37.80**	**6000.00**	**226800.00**

28/7/22

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Sl No	Description of work	Mesurement						Qty	Rate	Amount
		No.	L	B1	B2	Av.,B	D			
	Measurements Recarded on :	03/08/22								
8	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications									
	Qty as per Premeasurement Recorded vide E-Bill Page No. 4 is =							**288.00**	**450.00**	**129600.00**
9	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.									
	Qty as per Premeasurement Recorded vide E-Bill Page No. 5 is =							**2.27**	**75223.00**	**170757.00**
10	Providing precast slab of 250mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge.									
	Culvert Deck Slab									
	10th Cross HMT LO 3rd block	1	9.60			1.50		14.40		
	Total Qty		**Total Qty =**					**14.40**		
			Qty Limited to =					**10.80**	**6000.00**	**64800.00**

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Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate	Amount
	Measurements Recarded on :	19/08/22								
11	Providing precast slab of 100mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge.									
	Drain Covering Slab									
	8th Cross Road HMT layout 3rd Block									
	BSNL Office to Govt School N/S	1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	4.50			0.75		3.38		
	BSNL Office to Govt School S/S									
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	3.70			0.75		2.78		
		1	6.60			0.75		4.95		
		1	3.80			0.75		2.85		
		1	6.00			0.75		4.50		
		1	10.00			0.75		7.50		
		1	6.50			0.75		4.88		
		1	6.50			0.75		4.88		
	10th Cross									
		1	15.00			0.75		11.25		
		1	8.50			0.75		6.38		
	9th Cross HMT Layout 3rd Block									
	Park Side	1	15.00			0.75		11.25		
	8th Cross Road HMT layout 3rd Block									
	from Govt School N/S	1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	5.10			0.90		4.59		
	From 9th Cross to 10th Cross	1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		

219.92

Sl No	Description of work	Mesurement						Qty	Rate	Amount
		No.	L	B1	B2	Av.,B	D			
		1	3.10			0.90		2.79		
					Total Qty =			222.71		
					Qty Limited to =			220.50	2400.00	529200.00
	Sub Total									1856689.00
	GST @ 12%									222803.00
									Grand Total	2079492.00

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